

Rumaisa Habib

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EDUCATION

Stanford University

Sep 2023 - Present

PhD - Computer Science (*Advised by Zakir Durumeric*)

- Awarded Stanford Graduate Fellowship

Lahore University of Management Sciences (LUMS)

Aug 2019 - June 2023

BS - Computer Science (*Senior Thesis: A Framework for Improving Web Affordability and Inclusiveness*)

- Graduated with High Distinction
- Placed on Dean's Honor List (2019-22)
- Recipient of Merit Scholarship (2020-23)

PUBLICATIONS

Blade: Scalable Source Code Debloating Framework

SecDev '23

Muaz Ali, [Rumaisa Habib](#), Ashish Gehani, Sazzadur Rahaman, Zartash Afzal Uzmi

A Framework for Improving Web Affordability and Inclusiveness

SIGCOMM '23

[Rumaisa Habib](#)*, Sarah Tanveer*, Aimen Inam, Haseeb Ahmed, Ayesha Ali, Zartash Afzal Uzmi, Zafar Ayyub Qazi, Ihsan Ayyub Qazi [**Joint first authors*]

A First Look at Public Service Websites from the Affordability Lens

TheWebConf '23

[Rumaisa Habib](#), Aimen Inam, Ayesha Ali, Ihsan Ayyub Qazi, Zafar Ayyub Qazi

Rethinking Web for Affordability and Inclusion

HotNets '21

Ihsan Ayyub Qazi, Zafar Ayyub Qazi, Ayesha Ali, Muhammad Abdullah, [Rumaisa Habib](#)

EXPERIENCE

Lahore University of Management Sciences

2021 - 2023

Undergraduate Teaching Assistant

Lahore, Pakistan

- CS678/EE678: Topics in Internet Research (Spring 2023)
- CS334/EE334: Principles and Techniques of Data Science (Fall 2022)
- CS3812: Introduction to Blockchain: Technology and Applications (Spring 2022)
- CS471/EE471/CS573: Computer Networks: Principles & Practices (Fall 2021)

Educative

Feb 2022 - May 2022

Technical Content Engineer, Part-time

Lahore, Pakistan

- Wrote short articles on technical concepts for their website.
- Helped develop a course on computer vision.

TALKS

A Framework for Improving Web Affordability and Inclusiveness

- IAB Bias Workshop (Virtual, Jan 2024)
- University of Washington CHANGE Seminar (UW CHANGE) (Virtual, Nov 2023)
- The ACM Special Interest Group on Data Communication 2023 (SIGCOMM '23) (Columbia University, Sep 2023)

A First Look at Public Service Websites from the Affordability Lens

- The ACM Web Conference 2023 (TheWebConf '23) (UT Austin, May 2023)

SERVICE

External Reviewer

- Internet Measurement Conference (IMC) 2024

TECHNICAL SKILLS

Programming languages: C++, C, Python, Go, Haskell, Solidity **ML/AI:** Numpy, Pandas, Matplotlib, Scikit, OpenCV

Web/App development technologies: HTML, CSS, JavaScript, Django, React, Flutter

Miscellaneous: MySQL, Git, Bash, LaTeX, WebPageTest, WebPageReplay, Selenium, Puppeteer, Playwright, ChromeDevTools

RELEVANT COURSEWORK

Note: Italicised are graduate level courses

Stanford: *Topics in Network Security*

LUMS: Algorithms, Data Structures, Databases, Software Engineering, Operating Systems, Network-centric Computing, Network Security, *Topics in Internet Research*, *Machine Learning*, Principles and Techniques of Data Science, Statistics and Data Analysis, *Distributed Systems*, Computer Vision

POSITIONS OF RESPONSIBILITY

Research Assistant, Blockchain Research Group:

June 2022 - Aug 2022

Guided and led a research group consisting of 10 students to conduct literature review and find potential areas of research within the domain of blockchain technology

IT & Design Director, LUMS Women in Computing (LWiC):

Aug 2021 - June 2022

Created and managed LWiC's website (<https://lwic.lums.edu.pk>) and social media content (<https://www.instagram.com/lwic.lums>)

Last updated: July 2, 2024